

PATENT APPLN. NO. 10/532,481  
RESPONSE UNDER 37 C.F.R. §1.111

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IN THE CLAIMS:

1. (currently amended) A method of producing a multilayer three-layer fiber product, ~~comprising a thin base paper,~~ having a grammage of 80 g/m<sup>2</sup> at the most, the method comprising fitting on top both sides of a ~~bottom~~ middle layer consisting of at least one fiber layer, ~~(2, 4 -- 6)~~ a second fiber layer, which contains a filler and which forms ~~the~~ a surface layer of the fiber product ~~(1, 3),~~

characterized in that

- the layers are formed by using a multilayer technology forming process wherein slush of pulp is layered in the headbox of a paper machine in such a way that filler and additives are added to the pulp used in the surface layers of the three-layer product, after which the pulps are fed separated from each other to the headbox and then immediately combined before the lip of the headbox, where the jet of the pulp slush is directed to the wire, and

- the filler of the surface ~~layer~~ (1, 3) layers consists at least partially of cellulose or lignocellulose fibrils, on which light-scattering material particles are deposited, the maximum content of which is 85 % of the total weight of the filler.

2. (canceled)

3. (currently amended) The method according claim 1, characterized by using a filler, which comprises cellulose or lignocellulose fibrils produced from vegetable fibers by refining and screening, and having an average thickness ~~[[is]]~~ of less than 5  $\mu\text{m}$ .

4. (currently amended) The method according to ~~claim 3~~ claim 1, characterized in that the light-scattering material particles are deposited on fibrils, which correspond to a fraction that passes a 50 mesh screen and/or whose average thickness is 0.1 - 10  $\mu\text{m}$  with an average length of 10 - 1500  $\mu\text{m}$ .

5. (previously presented) The method according to claim 1, characterized in that the light-scattering material particles are inorganic salts that can be formed from their source materials by precipitating in an aqueous medium.

6. (original) The method according to claim 5, characterised in that the light scattering material particles are

calcium carbonate, calcium oxalate, calcium sulphate, barium sulphate or mixtures thereof.

7. (previously presented) The method according to claim 1, characterised in that the proportion of inorganic salts of the weight of the filler is 75 - 85 % by weight.

8. (currently amended) The method according to claim 1, characterised by ~~producing a three-layer fiber product, whose in~~ that the non-coated grammage of the middle layer is 20 - 60 g/m<sup>2</sup>, and the grammage of one each surface layer being is approximately 2 - 20 g/m<sup>2</sup>.

9. (currently amended) The method according to claim ~~[[1]]~~ 8, characterised in that the ratio of the total weight of the surface layers in relation to the weight of the middle layer ~~(layers) weight~~ is 20/80 to 80/20.

10. (currently amended) The method according to claim 1, characterised in that the ~~bottom~~ middle layer comprises chemical cellulose pulp.

11. (currently amended) The method according to claim 1, characterised in that the surface ~~layer comprises~~ layers comprise mechanical pulp.

12. (canceled)

13. (currently amended) The method according to claim 1, characterised by ~~producing a base paper of LWC paper, in that~~ the ~~bottom~~ middle layer and the surface ~~layer/surface~~ layers both comprising each comprise a mixture of chemical cellulose pulp and mechanical pulp, and wherein a mechanical pulp, which is rougher coarser than that used for forming the surface layer, optionally is ~~being~~ used for forming the bottom layer.

14. (currently amended) The method according to claim 1, characterised in that the ratio of the total weight of the surface layers in relation to the weight of the middle layer ~~(layers)~~ weight is 30/70 to 70/30.

15. (currently amended) The method according to claim 1, characterised in that the ratio of the total weight of the surface

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layers in relation to the weight of the middle layer ~~(layers)~~  
weight is 35/65 to 65/35.